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Presentation



FAST Flow **OSS**

*A Solution For Electronic Unbundling and the
Management of the ILEC/CLEC Interface*

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COMMTECH Corporation

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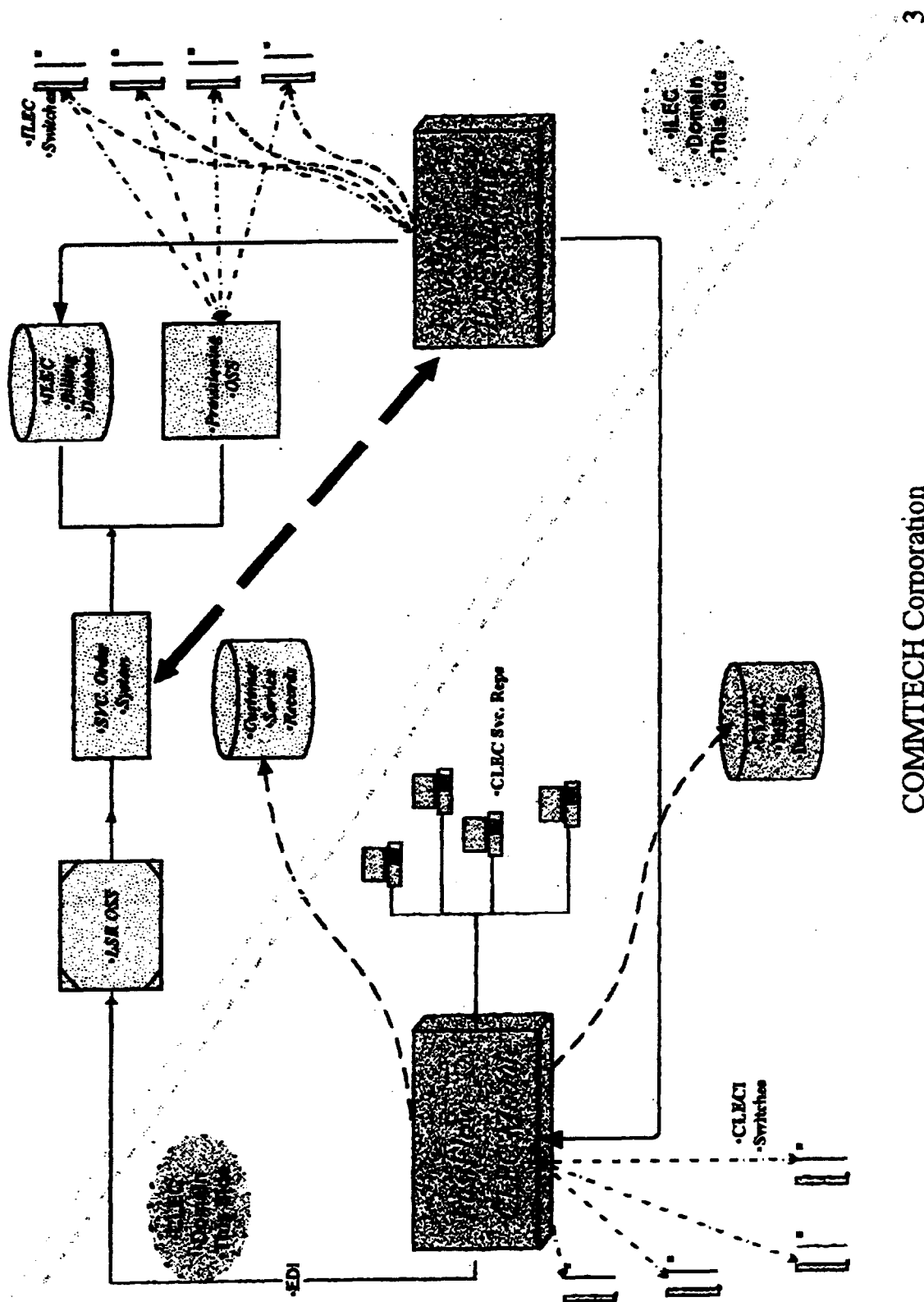
Overall Objective

“To Provide A Technically Workable OSS Solution That Will Allow For The Management Of The CLEC/ILEC Interface And Support Electronic Unbundling”

Two Components of the FastFlow Solution:

- 1. “FastFlow-CLEC” Resides In the CLEC Domain**
 - **Provides Overall CLEC Service Rep Management**
 - **Initiates EDI Transaction to Move Service From ILEC to CLEC**
 - **Initiates EDI Transaction to add new customers on ILEC switch**
- 2. “FastFlow-ILEC” Resides In the ILEC Domain**
 - **ILEC retains ‘Administrative Control’ Over System**
 - **Allows CLEC to Manage CLEC Lines On ILEC Facilities**

CLEC - ILEC Service Interop Management





“FastFlow-CLEC” MOP

- *Customer calls CLEC (or CLEC calls customer)*
- *CLEC Service Representative (SR) inputs telephone number (TN) into the “FastFlow-CLEC” GUI*
- *“FastFlow-CLEC” queries ILEC’s Customer Service Record (CSR) database and incorporates the data automatically into the CLEC’s sales template, which it displays on the SR’s desktop. The SR completes the transaction with the customer. The SR indicates to “FastFlow-CLEC” what type of activity they want to perform - resale, UNE re-bundle, etc.*



“FastFlow-CLEC” MOP continued

- ***“FastFlow-CLEC” sends EDI transaction to the ILEC***
 - *Awaits, measures response time, and alarms on delayed Functional Acknowledgement*
 - *Awaits, measures response time, and alarms on delayed Firm Order Commitment (FOC)*
 - *Awaits, measures response time, and alarms on delayed Activation Acknowledgement*
- ***Upon receipt of ILEC’s Activation message, FastFlow-CLEC notifies FastFlow-ILEC to restore a suspended line state or otherwise verifies the status of the line***
- ***FastFlow-CLEC updates databases (billing, etc.)***



FastFlow-ILEC MOP

- *FastFlow-ILEC receives a query or transaction request for a particular TN*
- *FastFlow-ILEC checks its partition table to ascertain the user is authorized to work on this TN. If the user is a CLEC, FastFlow-ILEC checks the ILEC's billing system to determine line ownership*
- *If the CLEC is the owner of the TN, FastFlow-ILEC allows the request to proceed in real-time*

**Benefits of Proposed Solution**

- *Auto Query of the ILEC's CSR saves the SR input time and reduces the likelihood of a typo causing delayed response to CLEC's subsequent Local Service Request (LSR).*
- *Measurements of all EDI transaction intervals provide an indication of performance.*
- *Instantaneous response to the ILEC's provisioning acknowledgement means CLEC's customer is not out of service for any appreciable period of time.*



Benefits of Proposed Solution

- *If FastFlow-ILEC cannot perform the transaction requested the SR is notified immediately. This means the CLEC can get back to the customer and advise them while they are notifying the ILEC of the problem.*
- *The ILEC doesn't have to perform continuous database administration for every line the CLEC adds or loses. FastFlow-ILEC's billing-check feature will be able to determine who owns the line by querying the ILEC's own billing database.*



Benefits of Proposed Solution

- *FastFlow-CLEC updates the CLEC's billing databases as a background transaction, further reducing manual intervention.*
- *FastFlow-CLEC can determine if the customer is being served from an ILEC switch or from one of the CLEC's own switches. If it's a CLEC owned switch, FastFlow-CLEC can perform the provisioning transactions required to establish or alter service directly, and in real-time.*